

AMENDMENTS TO THE CLAIMS:

Please amend the claims as follows:

Claims 1-10. (Canceled)

11. (Currently Amended) A photovoltaic module with sealed insulating glass comprising:

a first plate of glass;

a second plate of glass arranged opposite said first plate of glass;

a spacer member forming a space between said first and second plates of glass; and

a photovoltaic module subassembly arranged in the space formed by said spacer member, said subassembly including

a plurality of photovoltaic cells arranged in an array and electrically interconnected,

a translucent, first substantially rigid plate member of resin adjacent to a light receiving surface of said plurality of photovoltaic cells,

a second substantially rigid plate member of resin adjacent to a non-light receiving surface of said plurality of photovoltaic cells, and

a translucent filler layer located between said first and second substantially rigid plate members of resin to seal said plurality of photovoltaic cells, and a conductive wire provided in said filler layer and electrically connecting said plurality of photovoltaic cells and also allowing an external electrical output, wherein:

~~said subassembly is not adhered to said first plate of glass and said subassembly is not adhered to said second plate of glass~~

a guiding groove is provided inside paired facing portions of said spacer member for supporting said subassembly;

an output terminal is provided at a portion of said spacer member excluding said paired portions; and

said conductive wire has an end drawn out from an end of said filler layer and connected to said output terminal.

12. (Original) The module of claim 11, wherein said subassembly is arranged to cooperate with at least one of said first and second plates of glass to form an air layer between said subassembly and said at least one of said first and second plates of glass.

13. (Original) The module of claim 11, wherein said spacer member has butyl rubber attached thereto and said spacer member is fitted between said first and second plates of glass at their respective ends to pose said butyl rubber between said spacer member and said first and second plates of glass and silicon resin is applied and allowed to set outer than said spacer member between said first and second plates' respective ends to allow said space to be watertight.

14. (Original) The module of claim 11, wherein said subassembly is detachably attached to a frame formed of said first and second plates of glass and said spacer member.

15. (Currently Amended) The module of claim 14, wherein ~~said spacer member is provided with a guide rail~~ said guiding groove slidably holds holding said subassembly to detachably attach said subassembly to said frame.

16. (Original) The module of claim 11, wherein said first and second plates of glass are of different types or a single type selected from the group consisting of sheet glass, white glass (low-iron glass), figured glass, tempered glass, heat-strengthened glass and wired glass.

17. (Currently Amended) The module of claim 11, wherein said plurality of photovoltaic cells each have said light receiving surface ~~a light receiving surface of said plurality of photovoltaic cells is~~ unbonded to said filler layer.

18. (new) The module of claim 11, wherein said first substantially rigid plate member of resin is a film containing fluoro-resin as a source material.

19. (new) The module of claim 11, wherein said first substantially rigid plate member of resin is a stack of a film containing fluoro-resin as a source material and a film containing polyethylene terephthalate as a source material.

20. (new) The module of claim 11, wherein said second substantially rigid plate member is translucent.

21. (new) The module of claim 20, wherein at least one of said first and second substantially rigid plate members of resin is colored and transparent.

22. (new) The module of claim 20, wherein at least one of said first and second substantially rigid plate members of resin contains an ultraviolet absorber.

23. (new) The module of claim 11, wherein said filler layer contains as a source material a resin selected from the group consisting of ethylene-vinyl acetate (EVA) resin, polyvinyl butyral (PVB) resin, and silicon resin.

24. (new) The module of claim 11, wherein said plurality of photovoltaic cells is sealed in said filler layer as said cells undergo a lamination process employing a pouching lamination apparatus.